The mathematics program presents concepts that are introduced, developed or mastered throughout the elementary school years. Repetition throughout the year is needed to reinforce and build upon previously learned concepts. Problem solving is incorporated throughout the school year through each topic area.

## Things you can do at Home to Support your Student

Parental Support

- Promote school attendance
- Support student responsibility
- Encourage mathematic awareness
- Participate in the educational process
- Communicate with the school

"Communication begins at home"

Revised 9/08

# Manchester School District

## A Parent's Guide to the Elementary School Mathematics Curriculum

## GRADE ONE

**Manchester School District**
**286 Commercial St.**
**Manchester, NH 03101**

**Phone: 603.624.6300**

# Elementary School Mathematics          Grade 1

## Trimester 1
EM-Units 1, 2, 3

### Number and Operations
- Count 0 - 100
- Identify, recognize, order and compare whole numbers 0-100
- Mentally add or subtract one or two by naming the number that is "one or two more" or "one or two less"
- Add and subtract numbers (sums to 12)
- Fact families
- Identify names and value of penny, nickel and dime
- Number properties (odd and even)

### Geometry and Measurement
- Calendar skills: days of the week, months of the year, sequence of events in a day
- Clock intervals to the hour

### Functions and Algebra
- Patterns

### Data, Statistics and Probability

## Trimester 2
EM-Units 4, 5, 6

### Number and Operations
- Write numbers 0-100 in order
- Estimate 0-30
- Addition and subtraction (sums to 30)
- Fact families
- Greater than (>), less than (<), equal to (=)
- Connect numbers to quantities using pictures, models and words
- Number words up to "twenty"
- Add like coins: penny, nickel, dime (sums to $1.00)
- Skip count by 2's
- Field properties (commutative and identity property for addition)

### Geometry and Measurement
- Make mirror images
- Describe and compare objects in terms of weight, temperature height, length and capacity
- Clock intervals to the half- hour

### Functions and Algebra
- Make an open addition sentence true $(3 + \_\_ = 5)$

### Data, Statistics and Probability
- Use tally charts, pictographs, and tables
- Collect, record and interpret data to draw conclusions using tally charts, pictographs, and tables

## Trimester 3
EM-Units 7 & 8

### Number and Operations
- Place value: ones, tens and hundreds
- Expanded notation
- Compare whole numbers using 5 more, 5 less, 10 more, 10 less
- Identify, recognize, and draw parts of a whole (halves, thirds, fourths)
- Identify name and value of quarter
- Add like coins up to $1.00 (including quarter)
- Mentally add and subtract facts to 10
- Identify odd and even numbers

### Geometry and Measurement
- Sort and classify polygons (triangles, squares, rectangles, rhombuses, trapezoids, hexagons) and circles
- Recognize, name, build, and draw polygons and circles
- Identify and find examples for rectangular prism, sphere and cylinder
- Create shapes that have line symmetry
- Maps and diagrams: describe objects by location and position

### Functions and Algebra
- Make an open subtraction sentence true $(7 - \_\_ = 2)$

### Data, Statistics and Probability
- Read graphs
- Probability (more likely, less likely, equally likely)